image which at least can displayed all content of this original, then displayed the image, receiving a portion of the image selected by the user, and outputting the selected image.

In accordance with the present invention, in another embodiment, a method for using a scanning system with one-scan-and-done feature and free of identifying original's attribute is provided. The method comprises steps of scanning an original and get an image which at least can displayed all content of this original, and selected a portion of the image and allow to adjust the portion of image, and output the selected image from scanning system.

In accordance with the present invention, in a further embodiment, a scanning system with one-scan-and-done feature and free of identifying original's attribute is provided. The scanning system comprises a scanning module, process module, storage module, display module, receiving module and output module. The scanning module is for scanning an original to get an image that at least can display all of content of this original. The process module is for processing image that scanned by scanning module. The storage module is for storing an image that generated by processing module. The display module is for displaying an image that generated by processing module. The receiving module is for receiving a portion of image that selected by user, and receiving commands that used to modify an image sent from user, and sending it to process module, so as to modifying a portion of image and storing in storage module after modified. The output module is for outputting an image that storing in storage module directly.

BRIEF DESCRIPTION OF THE DRAWINGS

The foregoing aspects and many of the attendant advantages of this invention will become more readily appreciated as the same becomes better understood by reference to the following detailed description, when taken in conjunction with the accompanying drawings, wherein:

FIG. 1A and 1B are diagrams of scanning procedure in the prior art;

FIG. 2A and 2B are flow diagrams of a conventional scanning method and a scanning method with doesn't need to scan twice feature in accordance, respectively;

FIG. 3A and 3B are flow diagrams of a conventional scanning method and a scanning method with doesn't need to decide the attribute of original in advance feature, respectively;

FIG. 4 is an operating procedure in one embodiment;

FIG. 5 is an operating procedure in another embodiment; and

FIG. 6A and 6B are the schematic structures in a further embodiment.

DESCRIPTION OF THE PREFERRED EMBODIMENT

Some sample embodiments of the invention will now be described in greater detail. Nevertheless, it should be recognized that the present invention can be practiced in a wide range of other embodiments besides those explicitly described, and the scope of the present invention is expressly not limited except as specified in the accompanying claims.

The drawbacks of the prior art are mostly induced from the different resolutions between the first scan and the second scan and the implementation of the image process in the second scan, moreover, can't scan reflective and transparent original in the same time, and need user to preset the attribute of scanned original before scanning. Thus, the key aspect of the present invention is to scan an original with a resolution requested by users and to accomplish the implementation of the image process to generate a processed image with desired resolution, which is displayed on a preview window. Then, a portion of the processed image is selected and output directly without taking other scanning actions to ensure the output image is the processed image selected by users.

Another key aspect of the present invention is the scan system can performed original scanning with both modes automatically, and then integrated images of reflective original and transparent original to get a preview window which can displayed all content of scanned original. Just like a point and shoot camera, therefore, user doesn't need to preset the scanning mode before scanning to prevent get incorrect image, and made user's operation to simplify.